

3-3 Solving for an Inequality

Put the letter of the graph that matches the inequality that is given.

_____ 1. $x \leq 2$

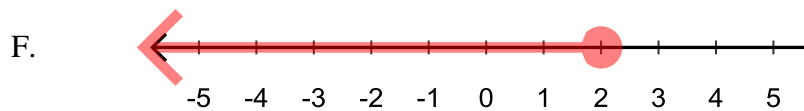
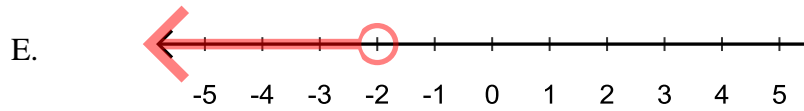
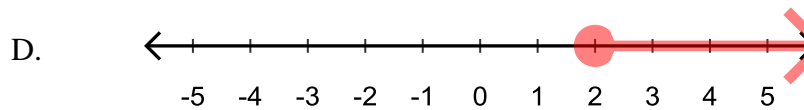
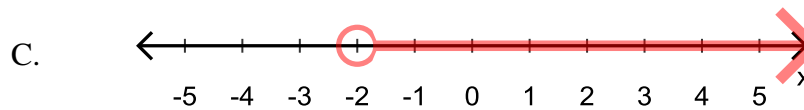
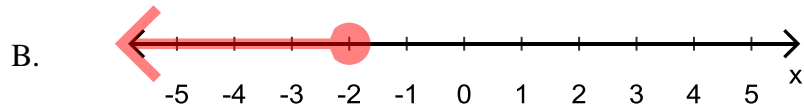
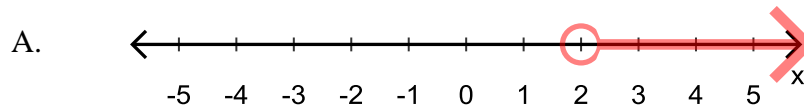
_____ 2. $x < -2$

_____ 3. $x > -2$

_____ 4. $x > 2$

_____ 5. $x \leq -2$

_____ 6. $x \geq 2$



Solve the following inequalities. Show your work.

7. $4n + 3 > 2n - 11$

8. $-2d + 8 < 3d - 22$

9. $2(4x - 3) < 4x + 12 + 2x$

10. $-2x > 20$

11. $-18 < 12 - 5x$

12. $-d + 18 - 12 \leq -20$

13. $-8x - 3 - 2x \geq -33$

14. $4x - 6x > -20 - 10$